

Protekt
10/64 **5Y4GA**

Full-Wave Vacuum Rectifier

GENERAL DATA

Electrical:

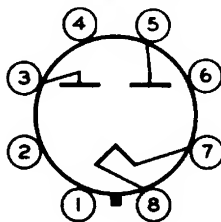
Filament, Coated:

Voltage (AC or DC) 5 volts
Current 2 amp

Mechanical:

Operating Position. Vertical, base down or up, or
Horizontal with pins 1 and 4 in vertical plane
Maximum Overall Length. 4-5/8"
Maximum Seated Length 4-1/16"
Diameter. 1.438" to 1.562"
Bulb. T12
Base. Short Medium-Shell Octal 8-Pin
with External Barriers, Style B (JEDEC Group 1,
No.88-118), or Style A (JEDEC Group 1, No.88-110)
Basing Designation for BOTTOM VIEW. 5Q

Pin 1 - No Connection
Pin 2 - No Connection
Pin 3 - Plate No.2
Pin 4 - No Connection



Pin 5 - Plate No.1
Pin 6 - No Connection
Pin 7 - Filament
Pin 8 - Filament

FULL-WAVE RECTIFIER

Maximum Ratings, Design-Center Values:

For power-supply frequencies of 25 to 1000 cps

PEAK INVERSE PLATE VOLTAGE. 1400 max. volts
AC PLATE SUPPLY VOLTAGE PER PLATE
(RMS, without load) See Rating Chart
STEADY-STATE PEAK PLATE CURRENT
PER PLATE 400 max. ma
TRANSIENT PEAK PLATE CURRENT PER PLATE. . . 2.2 max. amp
DC OUTPUT CURRENT See Rating Chart

Typical Operation:

	<i>With capacitor- input filter</i>	<i>With choke- input filter</i>	
AC Plate-to-Plate Supply Voltage (RMS, without load)	700	1000	volts
Filter-Input Capacitor ^a	10	-	μ f
Filter-Input Choke	-	10	henrys
Total Effective Plate Supply Impedance Per Plate.	50	-	ohms



RADIO CORPORATION OF AMERICA
Electron Tube Division
Harrison, N. J.

DATA
7-61

5Y4GA

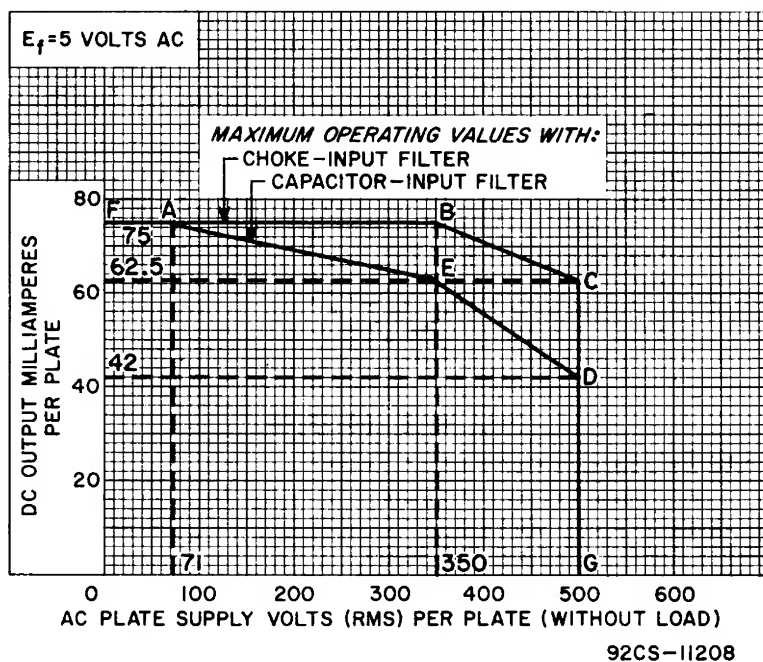
DC Output Voltage at input
to filter. 350 390 volts
DC Output Current. 125 125 ma

Characteristics, Instantaneous Test Condition:

Tube-Voltage Drop for plate ma. = 125
(Per plate). 60 volts

^a Values of capacitance greater than 10 μ f may be used, provided the plate supply impedance is increased to prevent exceeding the maximum peak-plate-current rating.

RATING CHART



RADIO CORPORATION OF AMERICA
Electron Tube Division

Harrison, N. J.

